RNA Extraction Protocol

RNA Extraction Steel BBs Cleaning Protocol:

The purpose of this protocol is to decontaminate the steel BB beads used during RNA extractions.

1. Pour BB beads into large cell culture petri dish
2. Add RNase decontamination solution (1mM EDTA, 0.1M NaOH) until beads are covered
3. Rock for 15 minutes with the lid of the petri dish on (speed 5, tilt 4)
4. Remove the RNase decontamination solution, and repeat the wash (steps 2-3)
5. Remove the second RNase decontamination solution wash
6. Add dPBS on beads until covered
7. Rock for 10 minutes with the lid of the petri dish on
8. Remove the PBS, and repeat the wash twice (steps 6-8) for a total of 3 washes
9. After removing the 3rd wash of PBS, cover the petri dish with a paper towel
10. Dry the BB beads using an oven (the Dean lab has one) set for 65degC for 2-3hr
11. Transfer dried BB beads in a 50mL conical vial

Autoclaved 1XPBS is fine too